Doc I D#

Site: Carter Carburetor
ID #: MOD000822601
Break: L33
Other: EPA
1-26-94

ANALYSIS REQUEST REPORT

FOR ACTIVITY: RZ2JJ

VALIDATED DATA

HAMERA, DON

01/26/94 16:50:18

ALL REAL SAMPLES AND FIELD Q.C.

* FINAL REPORT

FY: 94 ACTIVITY: RZ2JJ DESCRIPTION: CARTER CARBURETOR LOCATION: ST. LOUIS MISSOURI

STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: L33

LABO DUE DATE IS 2/ 6/94. REPORT DUE DATE IS 2/20/94.

INSPECTION DATE: 1/ 6/94 ALL SAMPLES RECEIVED DATE: 01/07/94

ALL DATA APPROVED BY LABO DATE: 01/13/94 FINAL REPORT TRANSMITTED DATE: 01/26/94

EXPECTED LABO TURNAROUND TIME IS 30 DAYS EXPECTED REPORT TURNAROUND TIME IS 45 DAYS

ACTUAL LABO TURNAROUND TIME IS 6 DAYS ACTUAL REPORT TURNAROUND TIME IS 20 DAYS

SITE CODE: JJ SITE: CARTER CARBURETOR SITE

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/ STORET LOC	NO	SECT	LAY-ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
001		H	EAST OF SOUTH DOOR OF TRANSFORMER ROOM	1	ST. LOUIS	MISSOURI	3				01/06/94	11:30	/ /	:
002		H	TRANSFORMER SURFACES-LRA PROPERTY WEST	1	ST. LOUIS	MISSOURI	3				01/06/94	11:40	/ /	:
003		H	LRA PROPERTY-SOUTH 1/2 FURNACE ROOM	1	ST. LOUIS	MISSOURI	3				01/06/94	09:10	/ /	:
004		S	SOUTH 1/2 FURNACE ROOM	1	ST. LOUIS	MISSOURI	3				01/06/94	09:15	/ /	:
005		S	NORTH 1/2 FURNACE ROOM	1	ST. LOUIS	MISSOURI	3				01/06/94	09:25	/ /	:

EXPLANATION OF CODES AND INFORMATION ON ANALYSIS REQUEST DETAIL REPORT

SAMPLE INFORMATION:

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER (A 3-DIGIT NUMBER WHICH IN COMBINATION WITH THE ACTIVITY NUMBER AND QCC, PROVIDES AN UNIQUE NUMBER FOR EACH SAMPLE FOR IDENTIFICATION PURPOSES)

QCC = QUALITY CONTROL CODE (A ONE-LETTER CODE USED TO DESIGNATE SPECIFIC QC SAMPLES. THIS FIELD WILL BE BLANK FOR ALL NON-QC OR ACTUAL SAMPLES):

- B = CAL INCREASED CONCENTRATION FOR A LAB SPIKED DUP SAMPLE
- D = MEASURED VALUE FOR FIELD DUPLICATE SAMPLE
- F = MEASURED VALUE FOR FIELD BLANK
- G = MEASURED VALUE FOR METHOD STANDARD
- H = TRUE VALUE FOR METHOD STANDARD
- K = CAL INCREASED CONCENTRATION FOR FIELD SPIKED DUP SAMPLE
- L = MEASURED VALUE FOR A LAB DUPLICATE SAMPLE
- M = MEASURED VALUE FOR LAB BLANK
- N = MEASURED CONCENTRATION OF FIELD SPIKED DUPLICATE
- P = MEASURED VALUE FOR PERFORMANCE STANDARD
- R = CAL INCREASED CONCENTRATION RESULTING FROM LAB SPIKE
- S = MEASURED CONCENTRATION OF LAB SPIKED SAMPLE
- T = TRUE VALUE OF PERFORMANCE STANDARD
- W = MEASURED CONCENTRATION OF LAB SPIKED DUPLICATE
- Y = MEASURED CONCENTRATION OF FIELD SPIKED SAMPLE
- Z = CAL INCREASED CONCENTRATION RESULTING FROM FIELD SPIKE
- 1 = MEASURED VALUE OF FIRST SPIKED REPLICATE
- 2 = MEASURED VALUE OF SECOND SPIKED REPLICATE
- 3 = MEASURED VALUE OF THIRD SPIKED REPLICATE
- 4 = MEASURED VALUE OF FOURTH SPIKED REPLICATE
- 5 = MEASURED VALUE OF FIFTH SPIKED REPLICATE
- 6 = MEASURED VALUE OF SIXTH SPIKED REPLICATE
- 7 = MEASURED VALUE OF SEVENTH SPIKED REPLICATE

M = MEDIA CODE (A ONE-LETTER CODE DESIGNATING THE MEDIA OF THE SAMPLE):

- A = AIR H = HAZARDOUS WASTE/OTHER
- S = SOLID (SOIL, SEDIMENT, SLUDGE)
- T = TISSUE (PLANT & ANIMAL)
- W = WATER (GROUND WATER, SURFACE WATER, WASTE WATER, DRINKING WATER)

DESCRIPTION = A SHORT DESCRIPTION OF THE LOCATION WHERE SAMPLE WAS COLLECTED

AIRS/STORET LOC. NO. = THE SPECIFIC LOCATION ID NUMBER OF EITHER OF THESE NATIONAL DATABASE SYSTEMS, AS APPROPRIATE

DATE/TIME INFORMATION = SPECIFIC INFORMATION REGARDING WHEN THE SAMPLE WAS COLLECTED

- BEG. DATE = DATE SAMPLING WAS STARTED
- BEG. TIME = TIME SAMPLING WAS STARTED
- END DATE = DATE SAMPLING WAS COMPLETED
- END TIME = TIME SAMPLING WAS COMPLETED
- NOTE: A GRAB SAMPLE WILL CONTAIN ONLY BEG. DATE/TIME
  A TIMED COMPOSITE SAMPLE WILL CONTAIN BOTH BEG AND END DATE/TIME TO DESIGNATE DURATION OF SAMPLE COLLECTION

OTHER CODES

- V = VALIDATED

ANALYTICAL RESULTS/MEASUREMENTS INFORMATION:

COMPOUND = MGP (MEDIA-GROUP-PARAMETER) CODE AND NAME OF THE MEASURED CONSTITUENT OR CHARACTERISTIC OF EACH SAMPLE

UNITS = SPECIFIC UNITS IN WHICH RESULTS ARE REPORTED:

- C = CENTIGRADE (CELSIUS) DEGREES
- CFS = CUBIC FEET PER SECOND
- GPM = GALLONS PER MINUTE
- IN = INCHES
- I.D. = SPECIES IDENTIFICATION
- KG = KILOGRAM
- L = LITER
- LB = POUNDS
- MG = MILLIGRAMS (1 X 10-3 GRAMS)
- MGD = MILLION GALLONS PER DAY
- MPH = MILES PER HOUR
- MV = MILLIVOLT
- M/F = MALE/FEMALE
- M2 = SQUARE METER
- M3 = CUBIC METER
- NA = NOT APPLICABLE
- NG = NANOGRAMS (1 X 10-9 GRAMS)
- NTU = NEPHELOMETRIC TURBIDITY UNITS
- PC/L = PICO (1 X 10-12) CURRIES PER LITER
- PG = PICOGRAMS (1 X 10-12 GRAMS)
- P/CM2 = PICOGRAMS PER SQUARE CENTIMETER
- SCM = STANDARD CUBIC METER (1 ATM, 25 C)
- SQ FT = SQUARE FEET
- SU = STANDARD UNITS (PH)
- UG = MICROGRAMS (1 X 10-6 GRAMS)
- UMHOS = MICROMHOS/CM (CONDUCTIVITY UNITS)
- U/CC2 = MICROGRAMS PER 100 SQUARE CENTIMETERS
- U/CM2 = MICROGRAMS PER SQUARE CENTIMETER
- 1000G = 1000 GALLONS
- +/- = POSITIVE/NEGATIVE
- # = NUMBER

DATA QUALIFIERS = SPECIFIC CODES USED IN CONJUNCTION WITH DATA VALUES TO PROVIDE ADDITIONAL INFORMATION ON THE REPORTED RESULTS, OR USED TO EXPLAIN THE ABSENCE OF A SPECIFIC VALUE:

- BLANK = IF FIELD IS BLANK, NO REMARKS OR QUALIFIERS ARE PERTINENT. FOR FINAL REPORTED DATA, THIS MEANS THAT THE VALUES HAVE BEEN REVIEWED AND FOUND TO BE ACCEPTABLE FOR USE.
- I = INVALID SAMPLE/DATA - VALUE NOT REPORTED
- J = DATA REPORTED BUT NOT VALID BY APPROVED QC PROCEDURES
- K = ACTUAL VALUE OF SAMPLE IS < VALUE REPORTED
- L = ACTUAL VALUE OF SAMPLE IS > VALUE REPORTED
- M = DETECTED BUT BELOW THE LEVEL OF REPORTED VALUE FOR ACCURATE QUANTIFICATION
- O = PARAMETER NOT ANALYZED
- U = ACTUAL VALUE OF SAMPLE IS < THE MEASUREMENT DETECTION LIMIT (REPORTED VALUE)

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 4-RZ2JJ VALIDATED DATA

COMPOUND	UNITS	001	002	003	004	005
HC11 PCB - AROCLOR 1016, WIPE	UGCM2	0.40 U	400 U	0.40 U		
HC12 PCB - AROCLOR 1221, WIPE	UGCM2	0.30 U	300 U	0.30 U		
HC13 PCB - AROCLOR 1232, WIPE	UGCM2	0.10 U	100 U	0.10 U		
HC14 PCB - AROCLOR 1242, WIPE	UGCM2	0.40 U	400 U	0.40 U		
HC15 PCB - AROCLOR 1248, WIPE	UGCM2	1.6	400 U	0.59		
HC16 PCB - AROCLOR 1254, WIPE	UGCM2	0.40 U	400 U	0.40 U		
HC17 PCB - AROCLOR 1260, WIPE	UGCM2	0.57	960	0.13		
SG07 SOLIDS, PERCENT	%				78.4	85.8
SM01 SILVER, TOTAL, BY ICAP	MG/KG				3.31	9.73
SM02 ALUMINUM, TOTAL, BY ICAP	MG/KG				23000	28000
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG				25.4	22.9
SM04 BARIUM, TOTAL, BY ICAP	MG/KG				489	468
SM05 BERYLLIUM, TOTAL, BY ICAP	MG/KG				0.640	0.610
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG				40.0	38.0
SM07 COBALT, TOTAL, BY ICAP	MG/KG				12.5	11.1
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG				150	158
SM09 COPPER, TOTAL, BY ICAP	MG/KG				886	911
SM10 IRON, TOTAL, BY ICAP	MG/KG				58300	50500
SM11 MANGANESE, TOTAL, BY ICAP	MG/KG				410	29000
SM13 NICKEL, TOTAL, BY ICAP	MG/KG				33.9	35.9
SM14 LEAD, TOTAL, BY ICAP	MG/KG				889	806
SM15 ANTIMONY, TOTAL, BY ICAP	MG/KG				12.6	7.32
SM18 THALLIUM, TOTAL, BY ICAP	MG/KG				6.00 U	6.00 U
SM19 VANADIUM, TOTAL, BY ICAP	MG/KG				25.5	21.6
SM20 ZINC, TOTAL, BY ICAP	MG/KG				6140	8410
SM21 CALCIUM, TOTAL, BY ICAP	MG/KG				22300	30100

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 4-RZ2JJ VALIDATED DATA

COMPOUND	UNITS	001	002	003	004	005
SM22 MAGNESIUM, TOTAL, BY ICAP	MG/KG				3950	2150
SM23 SODIUM, TOTAL, BY ICAP	MG/KG				1980	1010
SM24 POTASSIUM, TOTAL, BY ICAP	MG/KG				1430	1110
SM32 SELENIUM, TOTAL, BY AA	MG/KG				0.22	0.22
SP17 PCB-AROCLOR 1016	UG/KG				1400000 U	1400000 U
SP18 PCB-AROCLOR 1221	UG/KG				1200000 U	1200000 U
SP19 PCB-AROCLOR 1232	UG/KG				400000 U	400000 U
SP20 PCB-AROCLOR 1242	UG/KG				380000 U	380000 U
SP21 PCB-AROCLOR 1248	UG/KG				1500000	3000000
SP22 PCB-AROCLOR 1254	UG/KG				180000 U	180000 U
SP23 PCB-AROCLOR 1260	UG/KG				1100000	7200000
ST09 CYANIDE, TOTAL	MG/KG				11.1	1.02
ZZ01 SAMPLE NUMBER	NA	001	002	003	004	005
ZZ02 ACTIVITY CODE	NA	RZ2JJ	RZ2JJ	RZ2JJ	RZ2JJ	RZ2JJ

ACTIVITY RZ2JJ CARTER CARBURETOR

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE: STORET AIRS ARCHIVE

FINAL DATA REPORT APPROVED BY PROJECT LEADER ON 01/26/94 16:50:18 BY Donald D. Hamm.